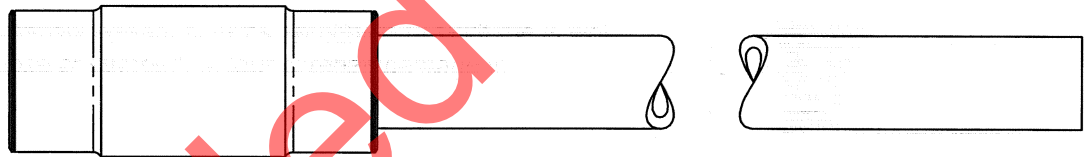
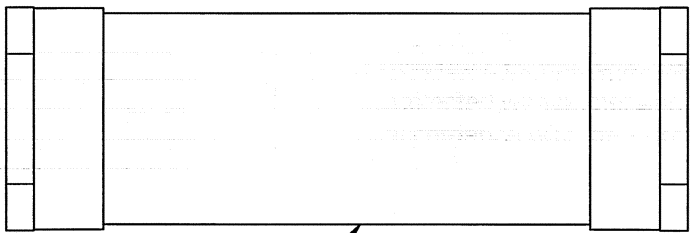


| ITEM # | QTY | PART #               | PART TITLE                                   |
|--------|-----|----------------------|--|
| -17    | 1   | RBE703A95-0520-01-17 | ENGINE & HYDRAULIC DRAIN TUBE QUILL ASSEMBLY |
| -19    | 1   | RBE703A95-0520-01-19 | ENGINE & HYDRAULIC DRAIN TUBE HOSE ASSEMBLY  |

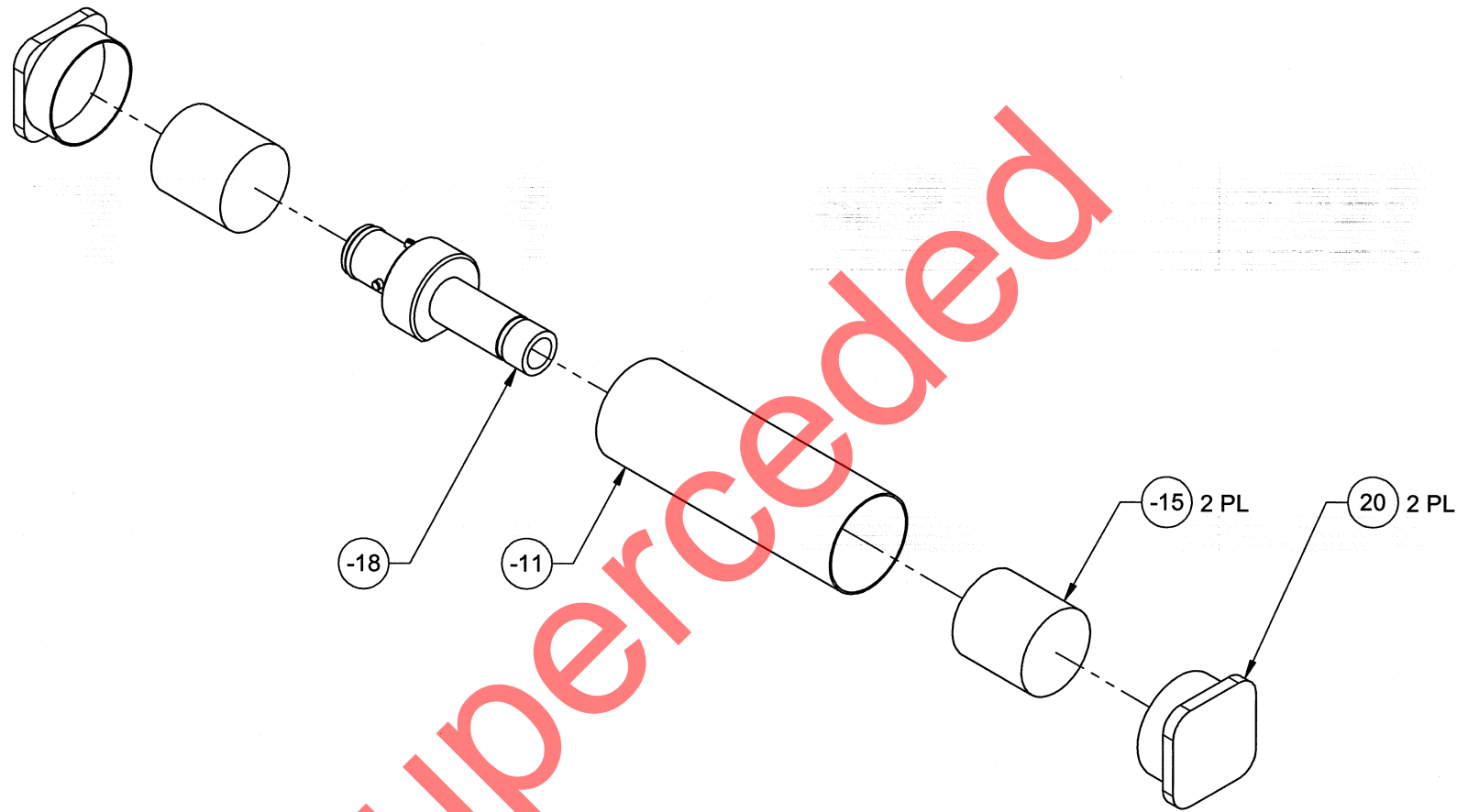


**RBE703A95-0520-01 ENGINE & HYDRAULIC DRAIN TUBE**

NOTES:  
1) MATERIAL: N/A  
2) HEAT TREAT: N/A  
3) FINISH: N/A  
4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"  
5) UNITS: INCHES UNLESS OTHERWISE NOTED  
6) IDENTIFICATION: N/A  
7) ASSEMBLE AS SHOWN  
8) PLACE ITEM -19 COILED INTO A TIGHT FITTING SEALED PLASTIC BAG WITH ITEM -17

|                |  |  |        |              |
|----------------|--|--|--------|--------------|
| J              | SEE PREVIOUS REVISION FOR MORE INFORMATION<br>UPDATED DRAWING TEMPLATE<br>ADDED ITEMS -17, -18, -19, AND 23<br>ITEM 22 WAS MCMASTER-CARR #91585A030 IS McMaster#93600A252 OR EQUIV.<br>-1 DIM WAS Ø0.0983/0.0979 IS Ø0.0984+0/-0.0008. REMOVED FLATS FOR ENGRAVING S/N, T/N, AND "MADE IN USA". ADDED NEW FLAT FOR ENGRAVING T/N |  | 19-561 | KPT          |
| REV.           | DESCRIPTION  |  | ECN #  | BY           |
| DESIGN         | KPT  | DART AEROSPACE LTD<br>HAWKESBURY, ONTARIO, CANADA  |        |              |
| DRAWN          | KPT  |  |        |              |
| CHECKED        | MBB  | TOOL PART #  |        | REV. J       |
| MFG. APPR.     | DP   | RBE703A95-0520-01  |        | SHEET 1 OF 7 |
| APPROVED       | WP   | TITLE  |        | SCALE        |
| DATE 2/25/2019 |  | ENGINE & HYDRAULIC DRAIN TUBE  |        | NTS          |
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| ITEM # | QTY | PART #                     | PART TITLE                                |
|--------|-----|----------------------------|---|
| -11    | 1   | RBE703A95-0520-01-11       | TUBE                                      |
| -15    | 2   | RBE703A95-0520-01-15       | FOAM                                      |
| -18    | 1   | RBE703A95-0520-01-18       | QUILL ASSEMBLY                            |
| 20     | 2   | McMaster#2044T67 OR EQUIV. | VINYL END CAP FOR 1.09" ID. SHIPPING TUBE |

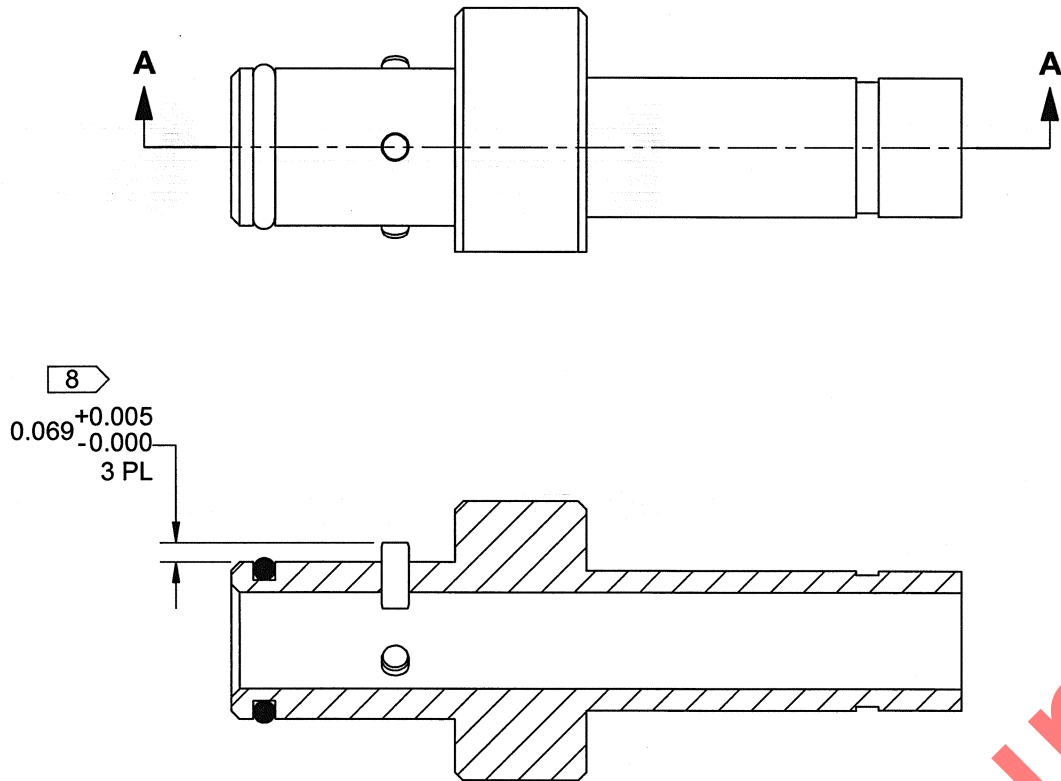


**RBE703A95-0520-01-17 ENGINE & HYDRAULIC DRAIN TUBE QUILL ASSEMBLY**

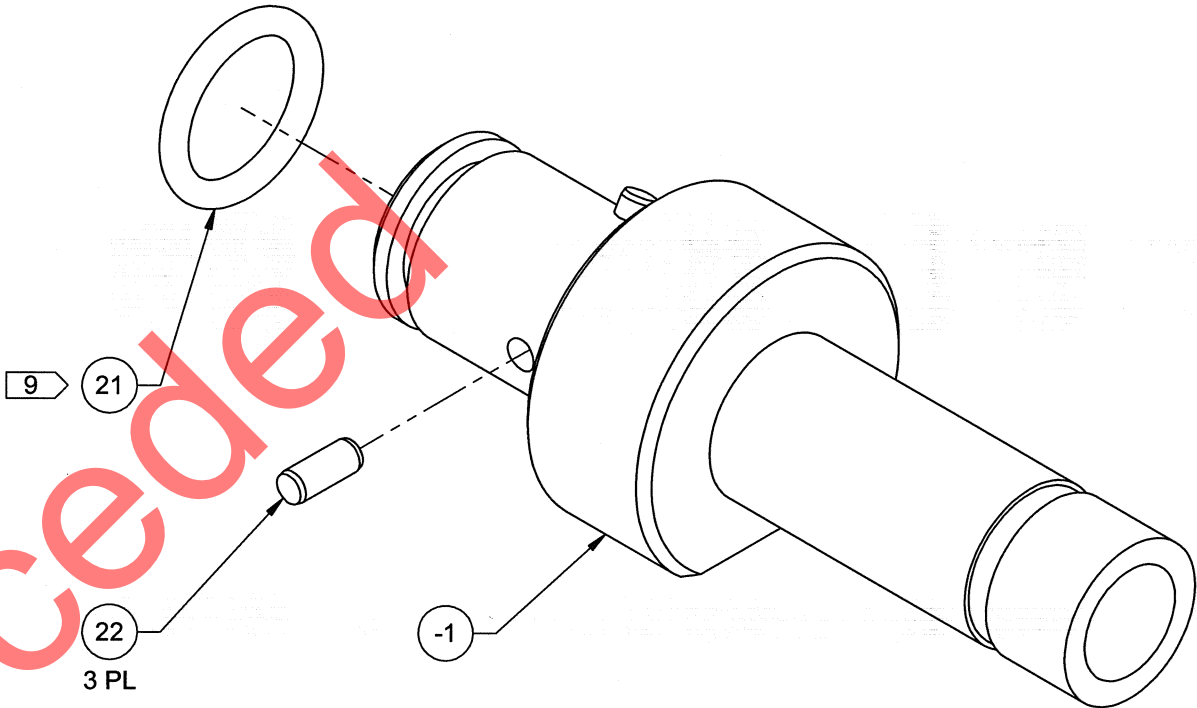
NOTES:  
1) MATERIAL: N/A  
2) HEAT TREAT: N/A  
3) FINISH: N/A  
4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
                  X.XX = +/- 0.01" / +/- 0.5°  
                  X.XXX = +/- 0.005" / +/- 0.1°  
                  X.XXXX = +/- 0.0005" / +/- 0.05°  
                  PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"  
5) UNITS: INCHES UNLESS OTHERWISE NOTED  
6) IDENTIFICATION: N/A  
7) ASSEMBLE AS SHOWN

|   |     |  |              |
|---|-----|--|--------------|
| DESIGN  | KPT | <b>DART AEROSPACE LTD</b><br>HAWKESBURY, ONTARIO, CANADA |              |
| DRAWN   | KPT |  |              |
| CHECKED   | MBB | TOOL PART #  | REV. J       |
| MFG. APPR.  | DP  | <b>RBE703A95-0520-01</b>                                 | SHEET 2 OF 7 |
| APPROVED  | VP  | TITLE  | SCALE        |
| DATE 2/25/2019  |     | <b>ENGINE &amp; HYDRAULIC DRAIN TUBE</b>                 | NTS          |
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| ITEM # | QTY | PART #                       | PART TITLE                                     |
|--------|-----|------------------------------|--|
| -1     | 1   | RBE703A95-0520-01-1          | QUILL  |
| 21     | 1   | McMaster#9263K519 OR EQUIV.  | VITON O-RING 11 mm ID. X 15 mm OD. X 2 mm THK. |
| 22     | 3   | McMaster#93600A252 OR EQUIV. | 316 SS DOWEL PIN 2.5 mm DIA. X 6 mm LG.        |



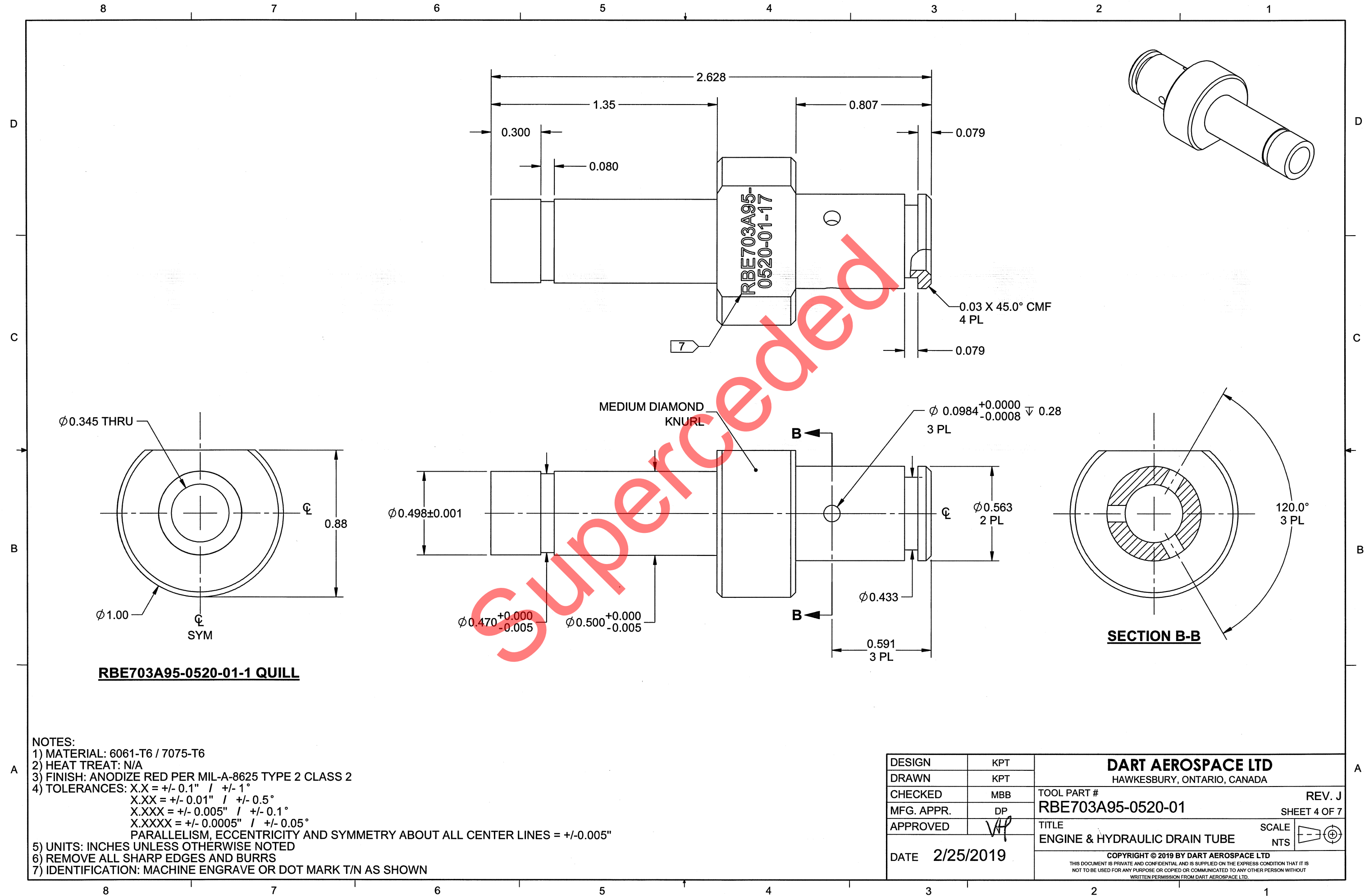
SECTION A-A

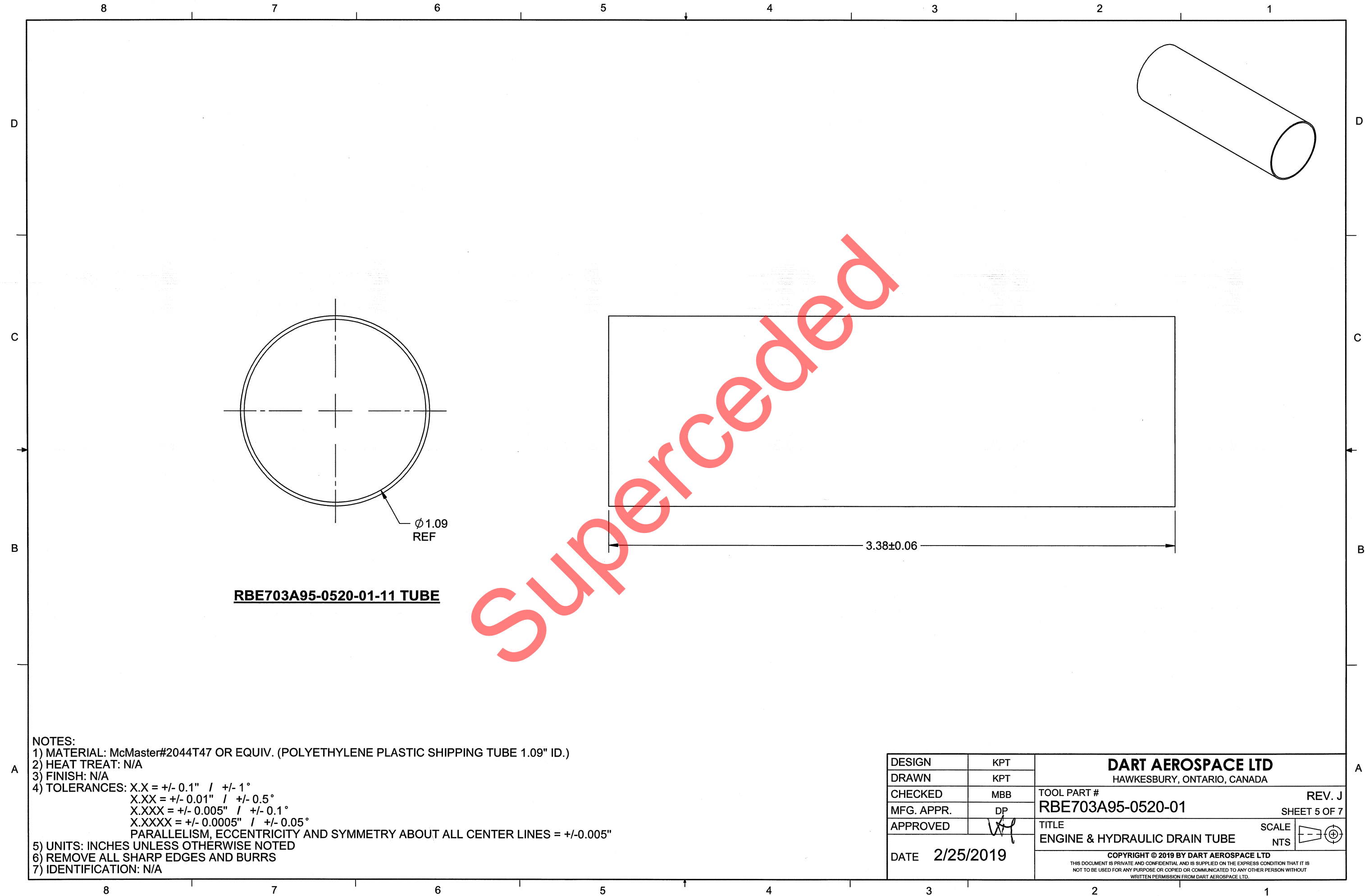


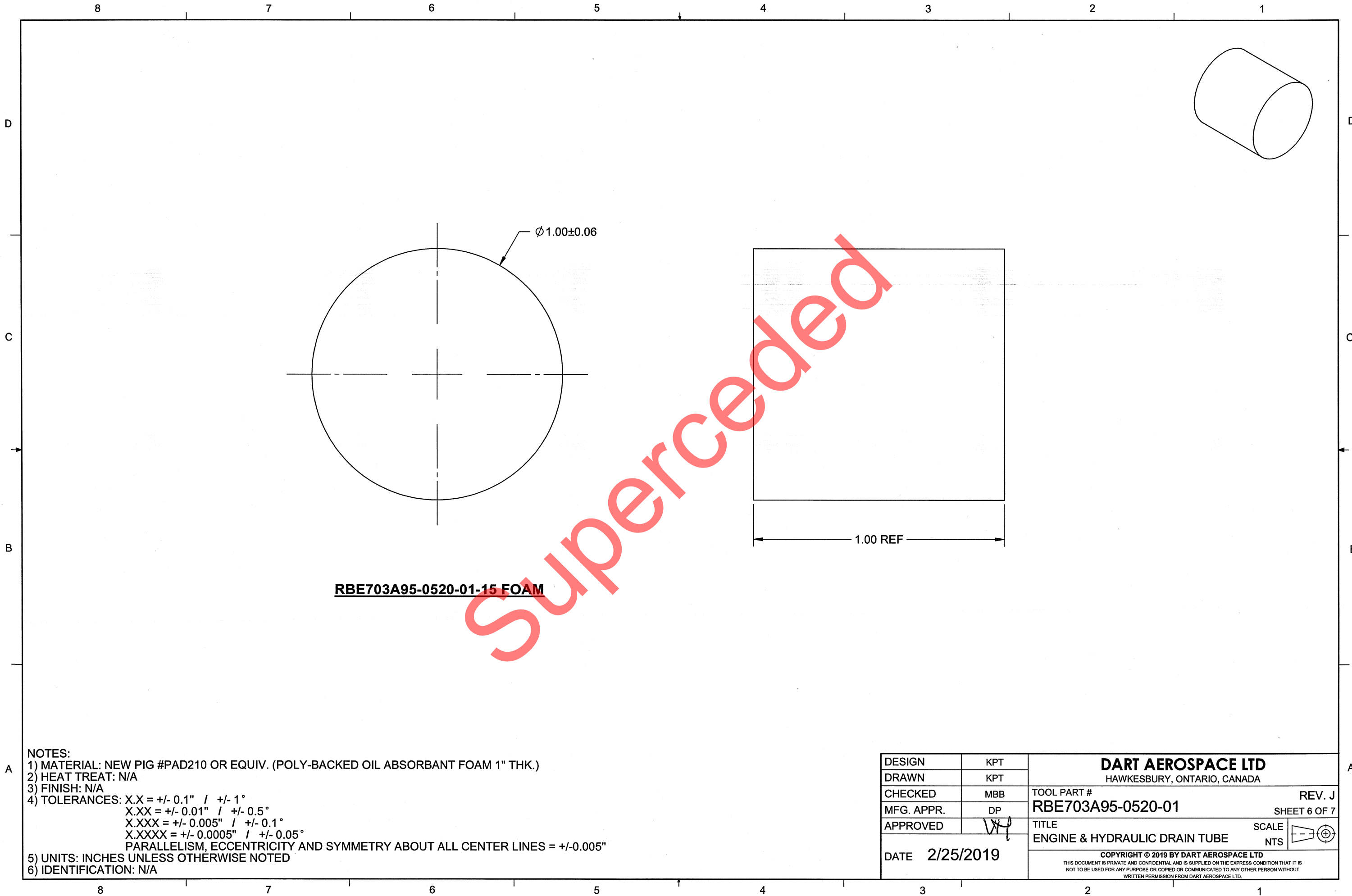
RBE703A95-0520-01-18 QUILL ASSEMBLY

- NOTES:
- 1) MATERIAL: N/A
  - 2) HEAT TREAT: N/A
  - 3) FINISH: N/A
  - 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
  - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 6) IDENTIFICATION: N/A
  - 7) ASSEMBLE AS SHOWN
  - 8) APPLY RETAINING COMPOUND LOCTITE 620 OR EQUIVALENT ON MATING SURFACES  
THEN PRESS FIT ITEM 22 WITH ITEM -1, AND REMOVE EXCESS
  - 9) APPLY MOLYKOTE 55 OR EQUIVALENT ON ITEM 21 THEN ASSEMBLE WITH ITEM -1 AND REMOVE EXCESS

|   |     |  |              |
|---|-----|--|--------------|
| DESIGN  | KPT | <b>DART AEROSPACE LTD</b><br>HAWKESBURY, ONTARIO, CANADA |              |
| DRAWN   | KPT |  |              |
| CHECKED   | MBB | TOOL PART #  | REV. J       |
| MFG. APPR.  | DP  | <b>RBE703A95-0520-01</b>                                 | SHEET 3 OF 7 |
| APPROVED  | VP  | TITLE  | SCALE        |
| DATE 2/25/2019  |     | ENGINE & HYDRAULIC DRAIN TUBE                            | NTS          |
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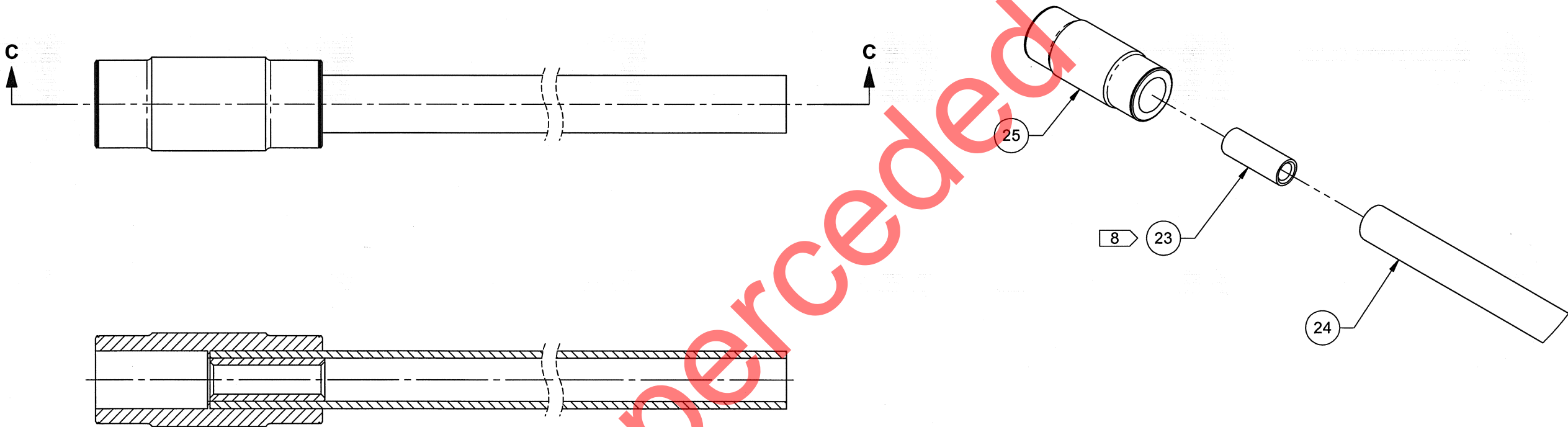








| ITEM # | QTY | PART #                       | PART TITLE  |
|--------|-----|------------------------------|---|
| 23     | 1   | DTSP10001                    | SLEEVE  |
| 24     | 1   | KURI-TEC#K010-0608 OR EQUIV. | CLEAR PVC TUBING 1/2" OD. X 3/8" ID. X 72" LG.            |
| 25     | 1   | McMaster#51495K116 OR EQUIV. | NICKEL-PLATED BRASS PUSH-TO-CONNECT 1/2" OD. TUBE FITTING |



SECTION C-C

RBE703A95-0520-01-19 ENGINE & HYDRAULIC DRAIN TUBE HOSE ASSEMBLY

- NOTES:
- 1) MATERIAL: N/A
  - 2) HEAT TREAT: N/A
  - 3) FINISH: N/A
  - 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
  - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 6) IDENTIFICATION: N/A
  - 7) ASSEMBLE AS SHOWN
  - 8) INSTALL ITEM 23 INTO ONE END OF ITEM 24 UNTIL FLUSH

|   |     |  |              |
|---|-----|--|--------------|
| DESIGN  | KPT | <b>DART AEROSPACE LTD</b><br>HAWKESBURY, ONTARIO, CANADA |              |
| DRAWN   | KPT |  |              |
| CHECKED   | MBB | TOOL PART #  | REV. J       |
| MFG. APPR.  | DP  | RBE703A95-0520-01  | SHEET 7 OF 7 |
| APPROVED  | WY  | TITLE  | SCALE        |
| DATE 2/25/2019  |     | ENGINE & HYDRAULIC DRAIN TUBE                            | NTS          |
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